

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000334

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B65H 75/22, E21B 19/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B65H, E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6352216 B1 (E.A. COATS), 5 March 2002 (05.03.2002) --	1-8
A	US 5575437 A (K.E. CAMPBELL), 19 November 1996 (19.11.1996) --	1-8
A	US 5242129 A (A.C. BAILEY ET AL), 7 Sept 1993 (07.09.1993) --	1-8
A	US 5806788 A (R.P. WITWER ET AL), 15 Sept 1998 (15.09.1998) --	1-8

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

09 March 2005

Date of mailing of the international search report

16 -03- 2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 2585159 A (J.C. MORLEY), 12 February 1952 (12.02.1952)</p> <p style="text-align: center;">-- -----</p>	1-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

31/12/2004

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US	6352216	B1	05/03/2002	AU	3680801	A	20/08/2001
				BR	0108264	A	05/03/2003
				CA	2399780	A	16/08/2001
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				JP	2003522699	T	29/07/2003
				MX	PA02007791	A	10/03/2003
				NO	20023806	A	08/10/2002
				WO	0158795	A	16/08/2001

US	5575437	A	19/11/1996	NONE
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US	5242129	A	07/09/1993	NONE
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US	5806788	A	15/09/1998	AT	241559	T	15/06/2003
				CA	2295036	A	07/01/1999
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				WO	9900318	A	07/01/1999

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